Emily Potts

New York, NY 10032 | (609) 457-9926 | enp2116@cumc.columbia.edu | www.linkedin.com/in/emilynoellepotts

EDUCATION

Columbia University Mailman School of Public Health | New York, NY   Expected Graduation May 2024
Master of Science in Biostatistics (Initially Attended as Part of Selective 4+1 BA/MPH Program)
GPA 4.10 / 4.33

Vassar College | Poughkeepsie, NY   Sep. 2018-May 2022
Bachelor of Arts in Mathematics & Statistics with Departmental Honors | Correlate in International Economics
GPA 3.80 / 4.00

SKILLS

Experienced: R, JMP, SQL, LaTeX, Microsoft Office Suite
Familiar: SAS, STATA, GitHub, RegEx, PLINK (whole genome association analysis software)

WORK EXPERIENCE

Teaching Assistant | Columbia University | New York, NY   Sep. 2022-Dec. 2022
- Supports Introduction to Public Health course through weekly office hours, grading and providing feedback on written assignments, and facilitating breakout discussion sessions

Statistical Intern | Regeneron Pharmaceuticals | Rensselaer, NY   May 2022-Aug. 2022
- Developed onboarding for size exclusion chromatography validation. Specifically, utilizing JMP software to validate the precision, accuracy, linearity, specificity, and robustness of the method to regulatory standards
- Performed industrial statistics applications using JMP and R software, including sampling plans, control charts, equivalence testing, and design of experiments
- Engaged in professional development training, including coursework on brand-building, women in leadership, emotional intelligence, and technical writing

Research Assistant | Boston University School of Public Health | Boston, MA   June 2021-Aug. 2021
- Recipient of a full merit scholarship to the Boston University Summer Institute for Research Education in Biostatistics, which included modules in epidemiology, clinical trials, statistical genetics, and infectious disease modeling
- Used SAS and R to analyze data from the Framingham Heart Study and Jackson Heart Study. Performed summary statistics, analysis of variance, Chi-square tests, and multiple & logistic regression analysis
- Collaborated on statistical genetics research using data from Genetic Analysis Workshop 19. Used R and PLINK software to perform genome-wide association studies in at-risk Hispanic individuals. Identified both common and rare genetic variants associated with blood pressure in this population

LEADERSHIP & VOLUNTEER EXPERIENCE

Co-President & Secretary | Hunger Action Club | Vassar College   Sep. 2018-June 2022
- Led executive board in organizing events aligned with our goal of alleviating hunger in the community
- Coordinated the preparation and provision of 120 meals each month for recipients at Beulah Baptist Church & ran seasonal food drives for Dutchess County Family Partnership Center
- Responded to unprecedented need in the community during COVID-19, increasing fundraising by 300%

Mentor | QuestBridge Chapter | Vassar College   Oct. 2020-June 2021
- Established and cultivated relationship with fellow low-income, prospective mathematics and statistics major student, providing personal and academic support

Student Moderator | Electronic Undergraduate Statistics Research Conference   Nov. 2020
  - Facilitated the Keynote Address and fielded discussion between the speaker and audience

Student Committee | Mathematics & Statistics Department | Vassar College   Nov. 2019
  - One of four students chosen to evaluate potential candidates for hire and provide feedback to the department

Volunteer | Maya Universe Academy | Tanahun, Nepal   June 2019
  - Contributed to the building of a new girls' hostel in order to support their mission of bringing affordable and quality education to children living in rural Nepal

HONORS & AWARDS
Mary Pemberton Nourse Fellowship   May 2022

Vassar College Departmental Honors in Mathematics & Statistics   May 2022

Columbia University Merit Scholarship   Mar. 2022

AFSCME NJ Scholarship   Aug. 2019 & Aug. 2021

Bossert Memorial Scholarship   Aug. 2019

Brown Memorial Scholarship   Aug. 2019

AP Scholar with Distinction   Aug. 2017 & Aug. 2018

QuestBridge National College Match Finalist   Oct. 2017

QuestBridge College Prep Scholar   Apr. 2017